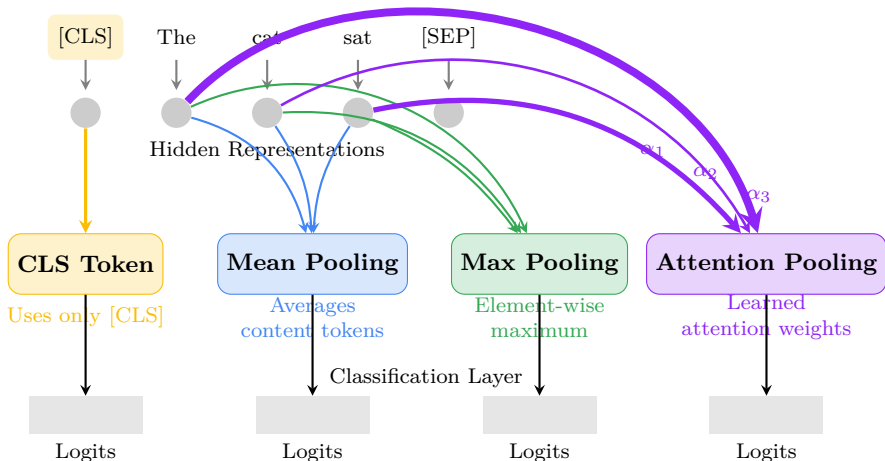


# Pooling Strategies for Sequence Classification



## CLS Token:

- Learnable aggregation
- Task-specific
- BERT's approach
- Pre-trained
- Effective
- × Single vector

## Mean Pooling:

- Simple averaging
- No learning
- Simple information
- No params
- × Poor performance

## Max Pooling:

- Sparse selection
- Loses context
- Task-dependent
- Sparse
- No params
- × Loses nuance

## Attention Pool:

- Flexible weighting
- More parameters
- Often competitive
- Adaptive
- Flexible
- × More complex